



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Date: July 24, 2001

In re Application of:

DAVID J. EDLUND and WILLIAM A. PLEDGER

Serial No. : 09/839,997

Filed : April 20, 2001

For : FUEL PROCESSING SYSTEM

Commissioner for Patents
Washington, D.C. 20231

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DEC 06 2001
TC 1700

Sir:

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.56, 1.97 AND 1.98**

Pursuant to Applicants' duty of disclosure required under 37 C.F.R. § 1.56, Applicants are submitting the enclosed, completed PTO form 1449 with copies of each reference as required by 37 C.F.R. § 1.97 and 1.98. The listing of any reference or the submission of a copy of any reference shall not be deemed as an admission that the listed or submitted reference is prior art for this application.

This application is a continuation of U.S. Patent Application Serial No. 09/291,447, filed April 13, 1999, which issued on April 24, 2001 as U.S. Patent No. 6,221,117, which is a continuation-in-part of U.S. Patent Application Serial No. 08/951,091, filed October 15, 1997, which issued on December 7, 1999 as U.S. Patent No. 5,997,594, which is a continuation-in-part of U.S. Patent Application Serial No. 08/741,057, filed October 30, 1996, and which issued on January 19, 1999 as U.S. Patent No. 5,861,137. Copies of the references previously cited in these three parent applications are not submitted, in accordance with 37 C.F.R. § 1.98(d).

Japanese Patent No. 4-163860, for which Applicants do not have an English-language abstract or translation, appears to disclose a schematically illustrated system that includes a controller 26.

An English language abstract is provided for German language PCT Patent Application Serial No. WO 00/04600, 2000.

For each remaining foreign document for which there is no translation, a concise statement of relevance is already of record in the previously cited applications identified above.

Applicants recognize that there are many references listed in the enclosed PTO 1449 Forms. However, Applicants are prosecuting dozens of applications related to the field of fuel processing systems and fuel cell systems, and accordingly are continuously receiving new information from Applicants' own searches, the U.S. Patent and Trademark Office and foreign patent offices. Applicants appreciate in advance the Examiner's time and understanding.

Respectfully submitted,

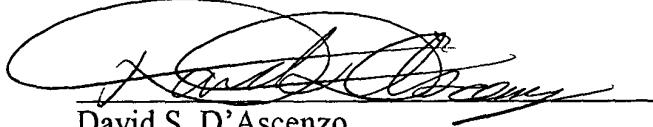
CERTIFICATE OF MAILING

I hereby certify that this correspondence, the attached PTO-1449 form and copies of references are being deposited with the United States Postal Service as first class mail and are addressed to: Commissioner for Patents, Washington, D.C. 20231 on July 24, 2001.



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FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER NPW 301F	APPLICATION NUMBER 09/839,997
		APPLICANTS DAVID J. EDLUND and WILLIAM A. PLEDGER	
		FILING DATE April 20, 2001	GROUP ART UNIT

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	1,306,221	6/10/1919	Ellis			
	1,782,824	11/25/1930	Hechenbleikner			
	1,848,466	3/8/1932	Edmonds			
	2,132,151	10/4/1938	Fenske et al.			
	2,450,804	10/5/1948	Loy			RECEIVED
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	2,824,620	2/25/1958	De Rosset			TC 1700
	3,094,391	6/18/1963	Mader			
	3,144,312	8/11/1964	Mertens			
	3,208,198	9/28/1965	Rubin			
	3,336,730	8/22/1967	McBride et al.			
	3,338,681	8/29/1967	Kordesch			

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	JP 45-14404	5/1970	Japan				X
	JP 45-2642	9/1970	Japan				X
	JP 1-145302	6/1989	Japan				X

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		English abstract of Japanese Patent No. 432150, 1992.
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	3,350,176	10/31/1967	Green et al.			
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	3,450,500	6/17/1969	Setzer et al.			
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	3,520,803	7/21/1970	Iaconelli			
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	3,665,680	5/30/1972	Heuser			
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	3,782,904	1/1/1974	Fletcher			

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	JP 1-145303	6/1989	Japan				X
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	3,787,038	1/22/1974	Tesner et al.			
	3,791,106	2/12/1974	Haley			
	3,849,076	11/19/1974	Gryaznov et al.			
	3,881,891	5/6/1975	Goltsov et al.			
	3,881,897	5/6/1975	Faure et al.			
	3,920,416	11/18/1975	Houseman			DEC 06 2001
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	3,972,695	8/3/1976	Buckley et al.			
	3,980,452	9/14/1976	Krumm et al.			
	3,982,910	9/28/1976	Houseman et al.			
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	JP 6-134244	5/1994	Japan				X
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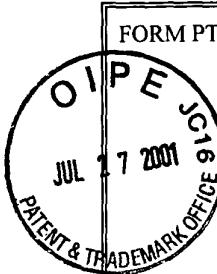
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	4,238,403	12/9/1980	Pinto			DEC 06 2001
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EXAMINER		DATE CONSIDERED



FORM PTO-1449

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DOCKET NUMBER

NPW 301F

APPLICATION NUMBER

09/839,997

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FILING DATE

April 20, 2001

GROUP ART UNIT

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	4,400,182	8/23/1983	Davies et al.			
	4,417,905	11/29/1983	Banks et al.			
	4,430,304	2/7/1984	Spurrier et al.			
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	4,468,235	8/28/1984	Hill			DEC 06 2001
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DATE CONSIDERED



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	4,644,751	2/24/1987	Hsu			
	4,650,814	3/17/1987	Keller			
	4,654,063	3/31/1987	Auvil et al.			
	4,657,828	4/14/1987	Tajima			DEC 06 2001
	4,659,634	4/21/1987	Struthers			TC 1700
	4,670,359	6/2/1987	Beshty et al.			
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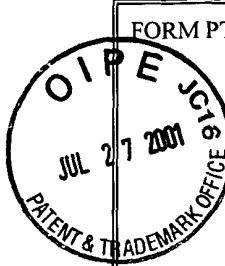
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FORM PTO-1449

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GROUP ART UNIT

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	4,788,004	11/29/1988	Pinto et al.			
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	4,838,897	6/13/1989	Amano et al.			
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	4,865,624	9/12/1989	Okada			TC 1700
	4,880,040	11/14/1989	Pierson et al.			
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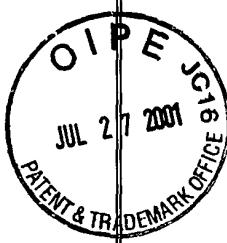
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	5,139,541	8/18/1992	Edlund			
	5,158,581	10/27/1992	Coplan			
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	5,215,729	6/1/1993	Buxbaum			
	5,225,080	7/6/1993	Karbachs et al.			
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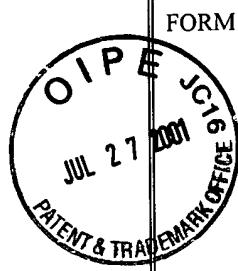
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO

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DATE CONSIDERED



FORM PTO-1449

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	5,382,271	1/17/1995	Ng et al.			
	5,393,325	2/28/1995	Edlund			
	5,395,425	3/7/1995	Brown			
	5,401,589	3/28/1995	Palmer et al.			DEC 06 2001
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	Re. 35,002	7/25/1995	Matsubara et al.			
	5,449,848	9/12/1995	Itoh			
	5,458,857	10/17/1995	Collins et al.			
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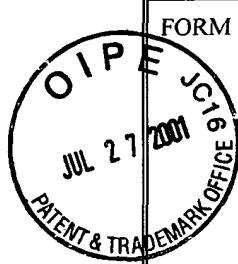
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	English abstract of Great Britain Patent No. 2,305,186.
	English abstract of German language PCT Patent Application Serial No. WO 00/04600, 2000.

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FORM PTO-1449

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	5,527,632	6/18/1996	Gardner			
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	5,589,599	12/31/1996	McMullen et al.			
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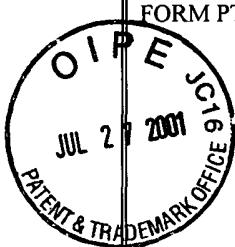
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		Adris, A. M., et al., "A Fluidized Bed Membrane Reactor for the Steam Reforming of Methane," The Canadian Journal of Chemical Engineering, Vol. 69, pp. 1061-70 (October, 1991).
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	5,734,092	3/31/1998	Wang et al.			
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		Chai, M., et al., "Promotion of Methane Steam Reforming Using Ruthenium-Dispersed Microporous Alumina Membrane Reactor," Chemistry Letters, The Chemical Society of Japan, pp. 41-44 (1993).

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		Edlund, Dr. David and William Pledger, "Development of a Compact and Economical Steam Reformer for Fuel-Cell Systems," Fifth Grove Fuel Cell Symposium, Commonwealth Institute, London, U.K., p. 6 (September 22-23, 1997).

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	5,932,181	8/3/1999	Kim et al.			
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FORM PTO-1449

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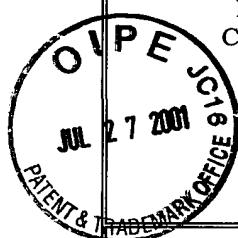
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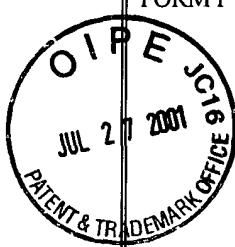
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